"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

TOROPOV, N.A.; BRYANTSEV, B.A.

Effect of aluminum oxide on the physicochemical properties of iron-magnesia silicate melts. Izv. AN SSSR. Neorg. mat. 1 no.7:1215-1220 Jl '65. (MIRA 18:9)

1. Institut khimii silikatov imeni I.V.Grebenshchikova AN SSSR.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ALEKSANDROV, Ye.K., prof.; BRYANTSEV, D. Yu.

Potentiated peridural trimecaine-dicaine anesthesia in gynecology. Sbor. nauch. trud. Ivan. gos. med. inst. no. 28:365-370 '63. (MIRA 19:1)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. Ye.K. Aleksandrov) Yaroslavskogo meditsinskogo instituta (rektor - prof. N. Ye. Yaryzin).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

Bryantsev, N.

BRYANTSEV, N.

Better use of tires. Avt.transp.33 no.8:16 Ag'55. (MLRA 8:12)
(Automobiles--Tires)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 11041-65 EWT(1)/EEC-4/EEC(t)/EEC(b)-2/FCS(k) Pi-4/Pj-4/Pl-4/Pac-4/Pae-2
ASD(d)/AFETR/BSD/ASD(a)-5/AFTC(b)/RAEM(a)/ESD(c)/ESD(gs) WR
ACCESSION NR: AT4046242 S/2535/64/000/159/0289/0300 18

AUTHOR: Bakhrakh, L. D. (Doctor of technical sciences); Bryantsev, S. F. (Engineer)

TITLE: The theory of multi-channel antennas 15B

SOURCE: Moscow. Aviatsionnyy institut. Trudy*, no. 159, 1964. Skaniruyushchiye antenny* sverkhvy*sokikh chastot (Super-high frequency scanning antennas), 289-300

TOPIC TAGS: antenna theory, frequency scanning, superhigh frequency, multi-channel antenna

ABSTRACT: Despite the widespread use of two-channel and multi-channel antennas, the theoretical problems involved in their construction have as yet been insufficiently studied. The basic given parameters in the present article are not the geometry of the twin- or multi-channel antenna, but rather the partial field distributions in the aperture of the antenna or the partial radiation patterns (directivity patterns) formed by the antenna. Consequently, the discussion presented in this paper is rather general in nature. Using the principle of superposition and the energy balance equation, the authors derive expressions which may be used to determine the energy ratios and to compute the gain of two-channel and multi-channel antenna systems. A multi-channel antenna having N input channels

Card 1/3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 11041-65
ACCESSION NR: AT4046242

In the form of transmission lines of arbitrary type and an aperture S, common to all channels, is considered, with the investigation of the energy ratios in such antennas reduced to the following two problems: 1) determination of the gain of twin- or multi-channel antennas; 2) determination of the conditions under which the antenna studied has the same gain factor as a single-channel antenna of identical dimensions. The operational principle underlying the working of the multi-channel antenna system is investigated using a two-channel antenna as an example. The principle of reciprocity is employed, for which purpose the receiver connected to one of the antenna channels is replaced by an absorbing load, with the second channel antenna gain not changed as a result of this substitution. For their study of the energy ratios, the authors introduce into consideration an antenna operating mode in which the antenna is simultaneously driven from each of the channels by waves of specific amplitude and phase. Energy ratios in twin-channel antennas with continuous field distribution in the aperture are considered, and expressions are obtained which are then, in a later section of the article, extended to twin- and multi-channel discrete antennas (an antenna consisting of M input channels, N discrete radiators and a 2(M + N)-pole network which distributes the energy between the radiating elements). Expressions are developed for the computation of gain of two- and multi-channel linear antennas and of two-channel antennas with circular aperture. The problem of the formation of partial radiation patterns for multi-channel linear antennas with no reduction of gain is considered,

Card 2/3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 11041-65
ACCESSION NR: AT4046242

and the field distribution in the aperture is expressed through its radiation pattern by means of a Fourier transform. The authors also discuss the effect of phase diagrams on the gain factor of twin-channel and multi-channel antennas, deriving an expression (again with the help of the Fourier transform theory) which indicates that the gain of a two-channel antenna is determined by both the amplitude and the phase patterns of directivity. Orig. art. has: 5 figures and 18 formulas.

ASSOCIATION: Moskovskiy aviatsionnyy institut (Moscow Aviation Institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: EC

NO REF SOV: 001 OTHER: 001

Card 3/3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEV, V. A., Dobrozrakova, T. L., Znamenskaya, N. K., and Kasaitis, A. I.

'Bitum' as a New Means in the Control of Pestsand Diseases of Vegetables, Zashchita Rastenii, no. 8, 1936, pp. 89-98. 421 P942

SO - SIRA SI 90-53, 15 December 1953

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEV, V.A.

[Controlling corn diseases and pests] Bor'ba s vrediteliami i bolezniami kukuruzy. Moskva, Gos. izd-vo selkhoz lit-ry, 1955. 46 p. (MLRA 9:11)

(Corn (Maize)--Diseases and pests)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

IVANOV, V.A., dotsent, kand.tekhn.nauk; KUNITSKIY, L.P., dotsent, kand.tekhn. nauk; KORMAKOV, L.I., dotsent, kand.tekhn.nauk; GUDKOV, P.N., dotsent; PRIMAK, N.S., dotsent, kand.tekhn.nauk; BRYANTSEV, V.I., inzh.; SIKALO, P.I., inzh.; NOSOV, G.M., inzh.; LUKASHENKO, I., red.; BERGER, K., red.; REZNICHENKO, I., red.; ZELENKOVA, Ye., tekhn.red.

[Wooden construction elements; analysis and design] Dereviannye konstruktsii; primery rascheta i konstruirovaniia. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1960. 537 p. (MIRA 13:9)
(Building, Wooden)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 05648-67 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6026759 (A) SOURCE CODE: UR/0138/66/000/005/0003/0004

AUTHOR: Gostev, M. M.; Bryantsev, V. V.; Kovrizhko, L. F.; Sotnikov, I. F.; Kerbanova, Z.N.; Latynina, S.E.; Shestakova, O.G. 36 B

ORG: Voronezh Synthetic Rubber Plant (Voronezhskiy zavod sinteticheskogo kauchuka); Voronezh Tire Plant (Voronezhskiy shinnyy zavod)

TITLE: Oil-extended stereoregular cis-1,4-butadiene rubber 15

SOURCE: Kauchuk i rezina, no. 5, 1966, 3-4

TOPIC TAGS: polybutadiene, filler, plasticizer, vulcanization

ABSTRACT: The conditions of preparation of oil-extended cis-1,4-polybutadiene and the relationship between the methods of extending the rubber and the properties of the rubber mix and vulcanizates were studied. Aromatic PN-6[16] and tall oil were used as plasticizers and fillers. The properties of the oil-extended rubbers were studied in a special tread mix of the composition (in pts. by wt.): cis-1,4-polybutadiene 100; sulfur 1.6; Santocure 0.9; zinc oxide 3.0; product 4010NA 0.5; Antilux 1.0; KhAF-type carbon black (Vulcan 3) 60.0; oil 13.0. The workability of the mixes was determined from their millability. The tread mixes were vulcanized at 143°C. Rubbers obtained by introducing the oil at the solution stage displayed a better workability than those prepared by adding the oil in the mixer; their tensile strength and resistance to crack propagation were also higher. It is concluded that the good workability of oil-extend-

Card 1/2 UDC: 678.762.2(+665.583).004.12

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 05648-67

ACC NR: AP6026759

ed rubbers permits the preparation of tread mixes from 100% cis-1,4-polybutadiene. Orig. art. has: 1 table.

SUB CODE: 11/ SUBM DATE: 06Nov65/ ORIG REF: 002/ OTH REF: 010

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEV, Z. V.

Work results of the UPF harvester-loader at the Klasson peat works and ways of over-all electrification in cutting peat., Trof. prom. 29, No 3, 1952.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, I.B.

Peculiarities of the structure of the anterior part of the intestines of locusts of the subfamily Egnatiinae (Orthoptera, Acrididae). Ent. oboz. 33:194-197 '53. (MLRA 7:5)

1. Institut prikladnoy zoologii i fitopatologii, Leningrad.
(Locusts)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

SHUMAKOV, Yevgeniy Markovich; BRYANTSEVA, Irina Borisovna; REUTSKAYA, O.Ye., red.; BARANOVA, L.G., tekhn. red.

[Injurious and beneficial insects] Vrednye i poleznye nasekomye. Leningrad, Sel'khozizdat, 1962. 108 p. (MIRA 15:6)
(Insects, Injurious and beneficial)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, I.B.; BULYGINSKAYA, M.A.

Biological forms of the mallow moth. Vop. ekol. 7:17-19 '62.
(MIRA 16:5)

1. Vsesoyuznyy institut zashchity rasteniy, Leningrad.
(Caucasus—Moths) (Caucasus—Cotton—Diseases and pests)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

SHCHEGOLEV, V.N., professor, doktor sel'skokhozyaystvennykh nauk, redaktor; BERIM, N.G.; BEY-BIYENKO, G.Ya.; BRYANTSEV, B.A.; BRYANTSEVA, I.B.; VOLGIN, V.I.; DANILEVSKIY, ...S.; ZIMIN, L.S. OSMOLOVSKIY, G.Ye., redaktor; RUBTSOV, I.A.; SHEVCHENKO, M.I.; SHCHEGOLEV, V.N.; YATSENKO, I.P.; SILAYEV, A.G., redaktor; GODOLAGINA, S.D., tekhnicheskiy redaktor.

[Entomologist's dictionary manual] Slovar'-spravochnik entomologa. Moskva, Gos.izd-vo selkhoz.lit-ry, 1955. 451 p.
(Entomology--Dictionaries) (MLRA 8:10)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BEY-BIYENKO, G.Ya,; BERIM, N.G.; BRYANTSEV, B.A., BRYANTSEVA, I.B.; VOLGIN, V.I.; DANILEVSKIY, A.S.; ZIMIN, L.S.; KOZHANCHIKOV, I.V.; OSMOLOVSKIY, G.Ye.; RUBTSOV, I.A.; SHEVCHENKO, M.I.; YATSENKO, I.P.; SHCHEGOLEV, V.N., prof.,doktor s.-kh.nauk, red.; AKHREMOVICH, M.B., red.; CHUNAYEVA, Z.V., tekhn.red.

[Entomological dictionary and handbook] Slovar'-spravochnik entomologa. Izd.2., perer. i dop. Moskva, Gos.izd-vo sel'khoz. lit-ry, 1958. 631 p. (MIRA 11:12)
(Entomology--Dictionaries)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

LENSKAYA, V.N.; BRYANTSEVA, I.N.

Specific action of a cation exchanger as dependent on the amount of new active groups introduced. Uch.zap. SGU 75: 88-90 '62. (MIRA 17:3)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, L.A.

Some characteristics of hemodynamic and respiratory indices in children of school age permanently residing in the high mountains of Kirghizistan. Izv. AN Kir. SSR. Ser. biol. nauk 3 no.2:79-82 '61. (MIRA 14:12)

(ALTITUDE, INFLUENCE OF) (KIRGHIZISTAN--CHILDREN)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

TURUSBEKOV, B.T.; BRYANTSEVA, L.A.

Peripheral blood indices in children, native inhabitants of the central Tien Shan (an altitude of 2200m.). Probl. gemat. i perel. krovi 9 no.10:14-17 O '64. (MIRA 18:3)

1. Laboratoriya fiziologii (nav. B.T. Turusbekov) Kirgizskogo instituta krayevoy meditsiny (dir. M.A. Aliyev) MZ SSSR, Frunze.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, L.N.

Results of treating fractures of the diaphysis of the humerus.
Trudy Len.gos.nauch.-issl.inst.travm.i ortop. no.8:75-88 '61.
(MIRA 15:9)

(HUMERUS--FRACTURE)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, L.N.

Incisions and indications for plastic skin surgery in Dupuytren's contracture. Khirurgiia 34 no.2:134-137 F '58. (MIRA 11:4)

1. Iz otdeleniya vosstanovitel'noy khirurgii (zav. - prof. V.I. Rozov) Leningradskogo instituta travmatologii i ortopedii (dir. - prof. V.S.Balakina)
(DUPUYTREN'S CONTRACTURE, surg.,
plastic skin surg., indic. (Rus))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, L.N.

Morphological changes in palmar aponeurosis in Dupruytren's contracture. Trudy Len.gos.nauch.-issl.inst.travm.i ortop. no.7:30-35 '58. (MIRA 13:6)

1. Iz patologoanatomicheskogo otdeleniya Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(FINGERS--ABNORMITIES AND DEFORMITIES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Lyudmila Nikiforovna; UDERMAN, Sh.I., red.; BUROVA, G.I., tekhn. red.

[Dupuytren's contracture] Kontraktura Diupiuitrena. Leningrad, Medgiz, 1963. 99 p. (MIRA 16:5)
(DUPUYTREN'S CONTRATURE)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ARKHANGEL'SKIY, V.N., prof.; BRYANTSEVA, M.

Adrian Aleksandrovich Kriukov; on the 50th anniversary of his death. Vest. AMN SSSR 13 no.12:84-86 '58. (MIRA 12:1)

1. Chlen-korrespondent AMN SSSR (for Arkhangel'skiy).
(BIOGRAPHIES,
Kriukov, Adrian, A. (Rus))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, M. K.

"Perimetry and Ztudy of Glaucoma." Thesis for degree of Cand. Medical Sci. Sub 12 Sept 49, Firtst Moscow Order of Lenin Medical Inst.

FDD Summary 82, 18 Dec 52, Dissertaions Presented for Degrees in Sciences and Engineering in Moscow in 1949. From Vechernaya Moskva, Jan-Dec 1949.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, M.K.

Prevention of occupational diseases of the eye. Vest. AMN SSSR 16 no.7:47-50 '61. (MIRA 14:7)

1. I Moskovskiy ordena Lenina meditsinskiy institut imeni I.M.Sechenova.
(EYE--DISEASES AND DEFECTS) (INDUSTRIAL HYGIENE)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ARKHANGEL'SKIY, Vitaliy Nikolayevich; BRYANTSEVA, M.K., red.;
YAKOVLEVA, N.A., tekhn. red.

[Diseases of the eye]Glaznye bolezni; posobie dlia prakticheskogo vracha. 2. izd., dop. i perer. Moskva, Medgiz, 1963. 131 p. (MIRA 16:2)
(EYE--DISEASES AND DEFECTS)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ARKHANGEL'SKIY, V.N., prof.; BRYANTSEVA, M.K.; DORMIDONTOVA, K.V.; BUNIN, A.Ya., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Manual on eye diseases] Uchebnik glaznykh boleznei. Pod obshchei red. V.N.Arkhangel'skogo. Moskva, Medgiz, 1963. 1963. 327 p. (MIRA 17:1)

1. Chlen-korrespondent AMN SSSR (for Arkhangel'skiy).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, M.K., kand.med.nauk; GAVERDOVSKAYA, G.K.

Prophylaxis for injuries and lesions of the eyes of workers in the chemical and metalworking industries. Trudy 1-go MMI 32:38-50 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, M.K., kand.med.nauk; VIL'SHANSKIY, E.N.

ACTH and cortisone; their use in an eye disease clinic. Trudy 1-go MMI 32:66-84 '64. (MIRA 18:5)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

YELISTRATOVA, L.I.; TEREKHINA, A.Ye.; BRYANTSEVA, N.N.

Determining physicochemical properties of unstable natural gasoline. Gaz. delo no.9:29-31 '65. (MIRA 18:9)

1. Otradnenskiy gazobenzinovyy zavod.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

LUR'YE, Z.L., prof.; BRYANTSEVA, R.G.; URZHUMOVA, A.I.

Involvement of the nervous system in acute prophyria. Sov.med. 23 no.9:107-112 S '59. (MIRA 13:1)

1. Iz nervnogo otdeleniya 4-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach M.V. Ivanyukov) i nervnogo otdeleniya bol'nitsy No.1 (glavnyy vrach. B.V. Nifontov) Ministerstva zdravookhraneniya RSFSR.
(PORPHYRIA compl.)
(NERVOUS SYSTEM dis.)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, R.G.

Decompression sickness. Zhur. nevr. i psikh. 61 no.6:860-861 '61.
(MIRA 15:2)

1. Nevrologicheskoye otdeleniye 61-y Gorodskoy klinicheskoy bol'nitsy (glavnyy vrach kand.med.nauk L.N.Vasilevskaya, nauchnyy rukovoditel' - doktor med.nauk L.A.Kukuyev).
(DECOMPRESSION SICKNESS) (BRAIN--DISEASES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 11316-67 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AR6022170 SOURCE CODE: UR/0137/66/000/003/1070/1070

AUTHOR: Konovalov, Ye. G.; Bryantseva, T. A.

TITLE: Effect of a magnetic field on the mechanical properties of steel

SOURCE: Ref. zh. Metallurgiya, Abs. 31473

REF SOURCE: Sb. Metallovedeniye i term. obrabotka met. Minsk, Nauka i tekhnika, 1965, 107-110

TOPIC TAGS: steel property, steel microstructure, hardness, magnetic field

ABSTRACT: The authors study the effect of a magnetic field on the H_V and microstructure of KhVG steel. The specimens were prequenched or quenched (from 810-830°C) and annealed at 270°C. A reduction in H_V was observed in the quenched state as well as anisotropy in H_V along and across the axis of the specimen. Consideration was given to the effect which the number of reversals in magnetization and the time of effective action of the magnetic field have on the H_V of quenched and annealed steel. The steel structure is stabilized under the effect of the magnetic field (a darkening of the martensite was observed--the tetragonal modification being converted to the cubic). V. Olenicheva. [Translation of abstract]

SUB CODE: 11

Card 1/1 bab UDC: 669.15.018.252

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, V. P.

POTAPENKO, Aleksandr Yefimovich; UDAL'TSOV, A.N., glavnyy red.; BRYANTSEVA, V.P., inzh., red.

[Ultrasonic methods of studying cavitation] Ul'trazvukovye metody issledovaniia kavitatsii. Moskva, In-t tekhniko-ekon.inform., 1956. 9 p. (Informatsiia o nauchno-issledovatel'skikh rabotakh. Tema 20, no.I-56-129) (MIRA 11:2)
(Cavitation) (Ultrasonic waves--Industrial applications)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, V.P.

YEPIFANOV, Georgiy Ivanovich, doktor fiziko-matematicheskikh nauk; UDAL'TSOV, A.N., glavnyy redaktor; BRYANTSEVA, V.P., inzhener, redaktor

[Asymptotic method of studying gliding friction] Asimptoticheskii metod izucheniia treniia skol'zheniia. Tema 2, no. P-56-463. Moskva, Akad. nauk SSSR, 1956 9 p. (MLRA 10:5)
(Friction)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

GRIGOR'YEV, Petr Filippovich, kand.tekhn.nauk; UDAL'TSOV, A.N., glavnyy red.; BRYANTSEVA, V.P., inzh., red.

[Radioactive isotopes in research on the wear of aircraft engine parts] Issledovanie iznosa detalei aviatsionnogo dvigatelia s pomoshch'iu radioaktivnykh izotopov. Moskva, Akad.nauk SSSR, 1956. 12 p. (Informatsiia o nauchno-issledovatel'skikh rabotakh, Tema 21, no.I-56-118) (MIRA 12:7)
(Radioisotopes) (Mechanical wear) (Airplanes--Engines)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, V.P.

ARAMANGORODSKIY, Aleksandr Grigor'yevich, kandidat tekhnicheskikh nauk; CHERNYSHEV, Oleg Leont'yevich, inzhener; BELEN'KIY, Leonid Mikhaylovich, inzhener; BRYANTSEVA, V.P., inzhener, vedushchiy redaktor; ZAYTSEV, G.Z., inzhener, redaktor; PORCHAREV, V.A., tekhnicheskiy redaktor

[Instruments for disclosing static indeterminateness of girders] Pribory dlia raskrytiia staticheskoi neopredelimosti balok. Moskva, Akad.nauk SSSR, 1956. 13 p. (Pribory i stendy. Tema 2, no.P-56-525) (MLRA 10:10)
(Testing machines) (Girders)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, V.P.

SOSNO SKIY, Andrey Anan'yevich; POLONIK, Pavel Arten'yevich, inzhener. KHOKHLOV, Viktor Dmit'riyevich, inzhener; SHTEYNBOK, G.Yu., inzhener, nauchchiy redaktor; BRYANTSEVA, V.P., inzhener, vedushchiy redaktor; VUL'MAN, G.L., inzhener, redaktor; POROMOREV, V.A., tekhnicheskiy redaktor.

[Instrument for recording positions of transmitting synchros and potentiometric transmitters] Pribor dlia zapisi polozheniia sel'sinnykh i potentsiometricheskikh datchikov. Pribory dlia obnaruzheniia i izmereriia elektro-staticheskikh zariadov na tekstil'nykh materialakh. Moskva, 1956. 19 p. (Pribory i stendy. Tema 5m no.P-56-526) (MLRA 10:10)

1. Moscow. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii. Filial.
(Recording instruments) (Textile fabrics--Electric properties)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

KANAVETS, Ivan Fedorovich, kandidat tekhnicheskikh nauk; UDAL'TSOV, A.N., glavnyy redaktor; BRYANTSEVA, V.P., inzhener, redaktor

[Determination of technological characteristics of thermosetting plastics] Opredelenie tekhnologicheskikh kharakteristik termoreaktivnykh plastikov. Tema no.7, no.I-56-66. Moskva, Akademiia nauk SSSR, 1956. 36 p. (MLRA 10:3)
(Plastics)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

RUDASHEVSKIY, German Yevgen'yevich, kand.fiz.-mat.nauk; SKOROBOGATOV, Vladimir Ivanovich , inzh.; BRYANTSEVA, V.P.,inzh., red.; SOROKIN, T.M., tekhn.red.

[Hydroelectric hypothesis of the nature of cavitation corrosion of metals] Gidroelektricheskaia gipoteza prirody razrusheniia metallov pri kavitatsii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 9, no.M-57-173/2). (MIRA 11:12)
(Cavitation)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

GRUZIN, P.L., doktor fiz.-mat. nauk, otv. red.; BRYANTSEVA, V.P., inzh., ved. red.; SHKOVSKAYA, I.Yu., inzh., ved. red.; SINITSYN, V.I., inzh., nauchnyy red.; LADONINA, L.V., tekhn. red.

[Use of radioactive isotopes and nuclear radiations in hydraulic engineering and construction] Primenenie radioaktivnykh izotopov i iadernykh izluchenii v gidrotekhnike i stroitel'stve. Moskva, (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 19) No.14. 1960. 35 p. (MIRA 15:3)

1. Moscow. Institut tekhniko-ekonomicheskoy informatsii.
(Construction industry) (Hydraulic engineering)
(Radioactive substances—Industrial applications)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

RURA, A.M., kand. tekhn. nauk; BRYANTSEVA, V.P., inzh., ved. red.; LIVSHITS, A.L., kand. tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Manufacture of diamond draw plates using electric techniques] Izgotovlenie almaznykh volok s primeneniem elektroobrabotki, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No.M-58-399/8) (MIRA 16:2)

(Wire drawing)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

GRISHIN, Valerian Maksimovich, inzh.; GUTKIN, Ben'yamin Girshevich, kand. tekhn. nauk; LIVSHITS, Abram Lazarevich, kand. tekhn. nauk; YAKHIMOVICH, Dmitriy Fedorovich, inzh.; BRYANTSEVA, V.P., inzh., red.; SOROKINA, T.M., tekhn. red.

[Dimensional electric spark machining of metals]Razmernaia elektroerozionnaia obrabotka metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn.informatsii, 1958. 88 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No.M-58-6/1) (MIRA 16:2)
(Electric metal cutting)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

MOZNIKER, Riva Abramovna; NEYSHTADT, Isaak Feliksovich; UDAL'TSOV, A.N., glav. red.; BRYANTSEVA, V.P., inzh., red.; STAYEV, K.P., kand. tekhn.nauk, red.

[Lodading-cycle counter. Three-component device for measuring cutting-force constituents up to 10 ton]Schetchik tsiklov nagruzheniia. Trekhkomponentnyi pribor dlia izmereniia sostavliaiushchikh sil rezaniia do 10 t. Moskva, In-t tekhniko-ekon.informatsii, 1956. 13 p. (Pribory i stendy. Tema 2. No.P-56-462) (MIRA 16:3)
(Electronic instruments)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

KAZAKOV, Nikolay Fedotovich, kand. tekhn. nauk; BRYANTSEVA, V.P., inzh., ved. red.; RUKAVISHNIKOV, V.I., red.; SOROKINA, T.M., tekhn. red.

[Changes in the hardness of cutting tool materials and those of partsbeing machines under the effect of heating]Izmenenie tverdosti materialov rezhushchego instrumenta i obrabatyvaemykh detalei pri nagreve. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 25 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 20. No.M-57-129/7) (MIRA 16:3)
(Metal cutting)
(Metals, Effect of temperature on)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

KORDONSKAYA, Revekka Borisovna; PAVLOV, Rev Petrovich; BRYANTSEVA, V.P., inzh., ved. red.; KHIMCHENKO, I.V., kand. tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Ultrasonic testing of large cylindrical forgings with various metallurgical defects]Ul'trazvukovoi kontrol' krupnykh tsilindricheskikh pokovok s razlichnymi metallurgicheskimi porokami. Moskva, Filial Vses. in-ta nauchn.i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No.M-58-182/8) (MIRA 16:3)
(Ultrasonic testing)
(Steel forgings--Defects)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ZAS:AVSLOU. Vo;' Izrail'yevich; KORSAKOV, Aleksandr Pavlovich; USvyatskiy, Yefim Abramovich; BRYANTSEVA, V.P., inzh., ved. red.; MARKOV, A.I., kand. tekhn. nauk, red.; PONOMAREV, V.A., tekhn. red.

[UZG-2 ultrasonic equipment for machining parts made of hard materials]Ul'trazvukovaia ustanovka UZG-2 dlia obrabotki detalei iz tverdykh materialov. Moskva, Filial Vses.in-ta nauchn. i tekhn.informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No.M-58-267/4) (MIRA 16:3)

(Ultrasonic metal cutting)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

DUDKIN, Vladimir Alekseyevich; BRYANTSEVA, V.P., inzh., ved. red.; TATOCHENKO, L.K., kand. tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Investigating by means of radioactive tracers the formation of chemical heterogeneity in the axial zone of an ingot during the crystallization of killed steel]Issledovanie protsessa obrazovaniia khimicheskoi neodnorodnosti osevoi zony slitka pri kristallizatsii spokoinoi stali metodom radioaktivnykh indikatorov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 23. No.M-58-110/2) (MIRA 16:3)
(Steel ingots) (Radioactive tracers)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

IGONIN, Leonid Andreyevich, kand. khim. nauk; GLUKHOV, Yevgeniy Yemel'yanovich, kand. tekhn.nauk; BRYANTSEVA, V.P., inzh. red.

[DVF-3 Multipurpose machine for testing the mechanical properties of plastic materials] Universal'naia mashina DVF-3 dlia ispytanii mekhanicheskikh svoistv plastmass. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1956. 11 p. (Pribory i stendy. Tema 2. No.P-56-518) (MIRA 16:3)
(Plastics--Testing)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

RUMYANTSEV, Stepan Vasil'yevich, kand. tekhn. nauk; MATSYUK, Lyubov' Nakhmanovna, kand. tekhn. nauk; BRYANTSEVA, V.P., inzh., ved. red.; NEYMAN, M.B., kand.tekhn.nauk, red.; PONOMAREV, V.A., tekhn. red.

[Thulium-170 as a radiation source for gamma-defectoscopy] Tulii-170 kak istochnik izlucheniia dlia gamma-defektoskopii. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1958. 29 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Moskva, Tema 23. No.M-58-109/1) (MIRA 16:3)
(Thulium isotopes) (Gamma rays)
(Materials--Testing)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, V.P., ved. red.; TOLMACHEV, V.B., red.

[Compression of wood in the national economy] Pressovanie drevesiny v narodnom khoziaistve; sbornik materialov. Moskva, 1964. 246 p. (MIRA 18:3)

1. Moscow. Gosudarstvennyy nauchno-issledovatel'skiy institut nauchnoy i tekhnicheskoy informatsii.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

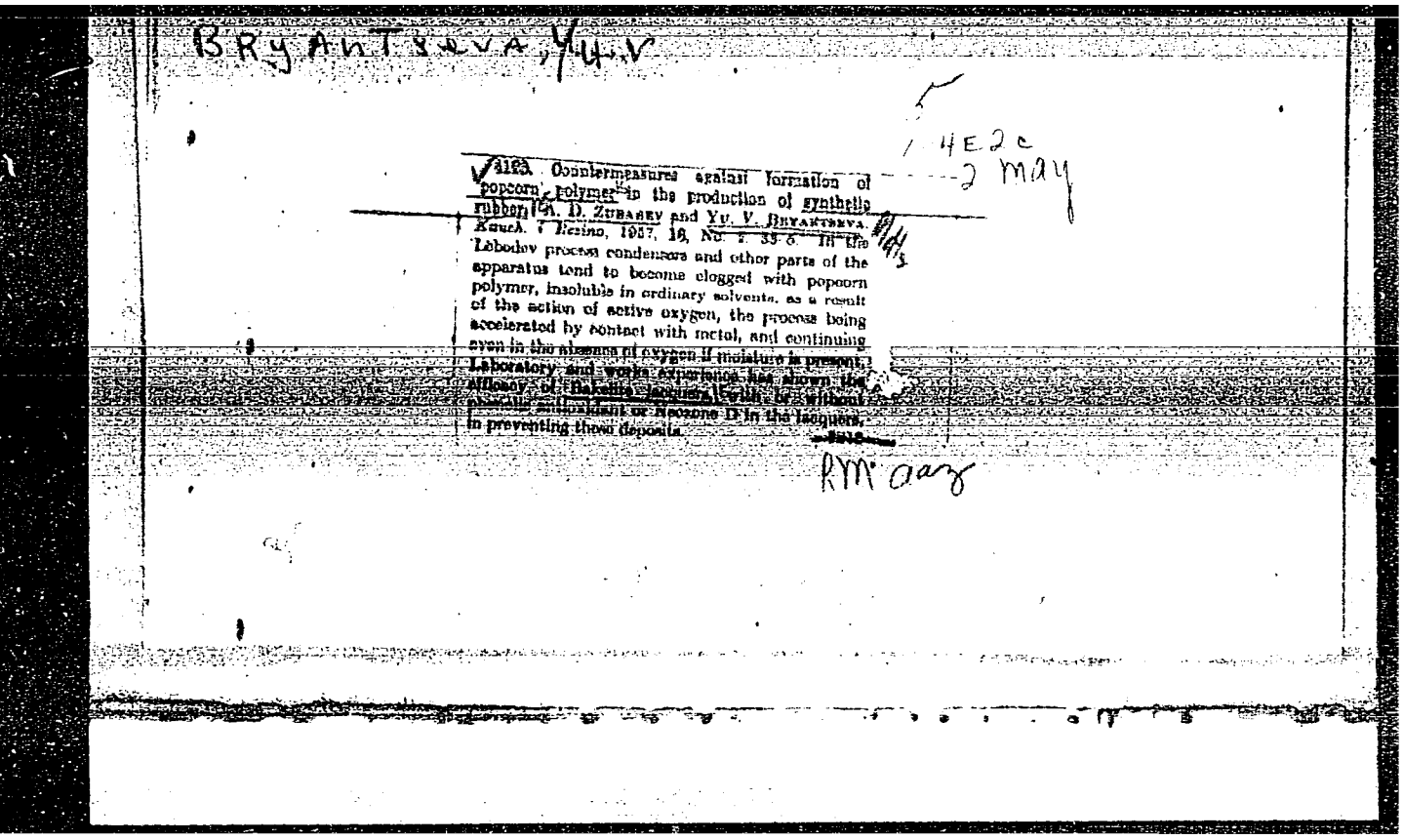
"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Ye.N., zasluzhennyy zootekhnik RSFSR.

Upgrading the stock of the "Lesnyye poliany" State Breeding Farm.
Zhivotnovodstvo 22 no.2:37-43 F '60. (MIRA 15:11)
(Moscow Province--Dairy cattle breeding)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3



BRYANTSEVA, Yu.V.

4E2c
2 May

Counterpressures against formation of popcorn polymer in the production of synthetic rubber. M. D. Zubarev and Yu. V. Bryantseva. Kauch. i Rezina, 1957, 16, No. 1, 33-6. In the Lebedev process condensers and other parts of the apparatus tend to become clogged with popcorn polymer, insoluble in ordinary solvents, as a result of the action of active oxygen, the process being accelerated by contact with metal, and continuing even in the absence of oxygen if moisture is present. Laboratory and works experience has shown the efficacy of [illegible] lacquers [illegible] with or without the addition of Inhibitor or Agozone D in the lacquers in preventing these deposits.

RM 2 May

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

SOV/138-59-4-9/26

AUTHORS: Bryantseva, Yu.V., Korchagina, O.M., Zolotareva, Z.V., Petrenko, L.P., Leonov, M.V.

TITLE: The Preparation of Lacquers (Coating Films) from Polystyrene Residues Obtained During the Manufacture of Synthetic Rubber (polucheniye lakov (zashchitnoy plenki) iz polistirol'nykh ostatkov proizvodstva sinteticheskogo kauchuka)

PERIODICAL: Kauchuk i Rezina, 1959, Nr 4, pp 32-35 (USSR)

ABSTRACT: The production of resins from polystyrene residues and their use in the manufacture of lacquers and coloured coatings was investigated. At present, styrene rubber is prepared by the dehydrogenation of ethyl benzene. After the distillation of styrene, polystyrene or vat residues are obtained as by-products; the composition of these vat residues has not been investigated in detail, but it was known that the crystalline part contained stilbene and diphenyl ethane. Investigations carried out in 1953 in the Department for Organic Chemistry of the Voronezh

Card 1/3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

The Preparation of Lacquers (Coating Films) from Polystyrene Residues Obtained During The Manufacture of Synthetic Rubber

University (under the guidance of Professor S.V. Zavgorodniy) are reviewed. The vat residues contain polystyrene, which is used in the manufacture of organic glass, resins, acid resistant vessels and lacquers. The authors carried out experiments on their use for the preparation of lacquers and coloured coating compositions and tested the properties of the coatings. They found that the coatings were light-stable, resistant to the action of alkali, alcoholic media, industrial water, concentrated sulphuric acid etc. The polystyrene coatings can also be used in electrical and radio-technical apparatus as they show good electrical insulating properties. The physical and chemical characteristics of the resins are listed in Table 1 and the yield of resins in Table 2. A plant for the separation of the resins from the vat residue was constructed on pilot plant scale (Figure 1). During these experiments, 75 kg of vat residues were processed at a temperature of 20 to 30°C and a pressure of 750 to 745 mm Hg. Distillation was carried out up to 220 to 240°C (750 to 745 mm Hg); a 30 to 40% yield was obtained. Three different compositions

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

The Preparation of Lacquers (Coating Films) from Polystyrene Residues Obtained During the Manufacture of Synthetic Rubber

of lacquers are given in Table 3, and similarly the composition of coloured coatings in Table 4. The dependence of the viscosity of the polystyrene lacquer on the temperature is shown in the form of a graph (Figure 2). The Voronezh factory "Khimprodukt" commenced the processing of polystyrene vat residues from synthetic rubber manufacture in 1957, and is at present producing lacquers for the furniture industry and for interior decoration. There are 2 figures and 4 tables.

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet i zavod sinteticheskogo kauchuka im S.M. Kirova (Voronezh State University and Factory for Synthetic Rubber im S.M. Kirov)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Yu.V.; PIMENOVA, S.I.

Protective linings of ebonite vulcanized without pressure.
Zashch. met. 1 no.2:244-245 Mr-Ap '65. (MIRA 18:6)

1. Zavod sinteticheskogo kauchuka imeni Kirova.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 42876-66 EWT(m)/EWP(i) IJP(c) RM
ACC NR: AR6024953 (A) SOURCE CODE: UR/0081/66/000/006/N003/N003

AUTHOR: Kovrizhko, L. F.; Bryantseva, Yu. V.; Rayevskaya, V. I.; Agarkova, T. P.

TITLE: Isolation of trans-piperylene from the piperylene fraction obtained in the production of synthetic rubber 16 32 B

SOURCE: Ref. zh. Khimiya, Part II, Abs. 6N17

REF SOURCE: Tr. Labor. khimii vysokomolekul. soyedineniy. Voronezhsk. un-t, vyp. 3, 1964, 78-82

TOPIC TAGS: piperylene, synthetic rubber, hydrocarbon

ABSTRACT: The conditions for the isolation of trans-piperylene (I = piperylene) from the piperylene fraction obtained in the production of synthetic rubber were determined. The isolation of trans-I from a mixture containing (in wt. %) 0.00-0.07 butylenes, 8.01-24.91 amylenes, 1.00-2.50 ethyl ether, 3.08-6.58 isoprene, 42.98-64.03 trans-I, 17.2-36.77 cis-I, 0.17-0.59 cyclopentadiene, 0.22-1.12 C6 hydrocarbons was achieved by fractionating and isomerizing the cis-I present. Ethyl ether is first removed from the piperylene fraction by washing repeatedly with water, then cyclopentadiene is removed by treatment with a 27% solution of maleic acid at a 1:1 ratio of I to maleic acid for 30 min at 30-40°. The purified fraction is dried for 24 hr over active Al_2O_3, and fractionated on a column of 20 theoretical plates with a reflux ratio of 40-45; the fraction with b. p. 41-43° is removed. After a second fractional distillation of

Card 1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ACC NR: AR6024953

this fraction on a column with 66 theoretical plates and a reflux ratio of 70-80, a fraction with b. p. 41.5-42.3 containing 97-99% trans-I is removed in 60-64% yield. Cis-I, whose content in the bottoms after the first and second rectification amounts to ~80%, is isomerized to trans-I in the presence of crystalline iodine (36.8 g of iodine per 500 g of bottoms), which is added in portions for 20-30 min. The mixture is kept for 24 hr at 20°C and distilled on a fractionating column of 60 theoretical plates and a reflux ratio of 60-70; the fraction with b. p. 41.5-42.3°, containing 99-99.9% trans-I, 0.4-0.08% amylenes, and traces of cyclopentadiene, is removed. The trans-I obtained is used as a copolymer for the synthesis of 1,4-cis-polybutadienepiperylene rubber. A. Grigor'yev. [Translation of abstract]

SUB CODE: 07

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z., prepodavatel'; SOKOLOV, A., otvetstvennyy red.

[Program of the course "Principles of general and analytic chemistry" for technical schools of the Ministry of the Radio Engineering Industry in the subject "Manufacture of radio insulation materials and radio part"] Programma kursa "Osnovy obshchei i analiticheskoi khimii" dlia tekhnikumov MRTP po spetsial'nosti "Proizvodstvo radioizoliatsionnykh materialov i radiodetalei." Moskva, 1956. 14 p. (MIRA 11:8)

1. Russia (1923- U.S.S.R.) Ministerstvo radiotekhnicheskoy promyshlennosti. Upravleniye uchebnymi zavedeniyami. 2. Gor'kovskiy elektromekhanicheskiy tekhnikum (for Bryantseva).
(Chemistry—Study and teaching)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z.M.

Eserine for treating affections of the facial nerve. Trudy Inst. kraev.pat. AN Kazakh.SSR 1:133-139 '52. (MLRA 10:2)
(PHYSOSTIGMINE) (NERVES, FACIAL--DISEASES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z. M.

BRYANTSEVA, Z. M. -- "The Restorative-Mediator Therapy of Organic Diseases of the Nervous System." Acad Sci Kazakh SSR. Inst of Physiology, Inst of Regional Pathology, and Inst of Experimental Surgery. Alma-Ata, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

KASATKINA, A.P., BRYANTSEVA, Z.M.

Result of acupuncture in certain diseases of the nervous system [with summary in French]. Zhur.nevr. i psikh. 58 no.10:1225-1231 '58 (MIRA 11:11)

1. Kafedra nervnykh bolezney Kazakhskogo meditsinskogo instituta, Alma-Ata.
(ACUPUNCTURE, in var. dis.
NS dis. (Rus))
(NERVOUS SYSTEM, dis.
ther., acupuncture (Rus))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z.M.; AKHMETOV, M.A.

Medhanism of acupuncture in the treatment of diseases of the peripheral nervous system. Zdrav. Kazakh. 21 no. 3:45-49 '61. (MIRA 14:4)

1. Iz kafedry nervnykh bolezney (zav. - dotsent M.Kh. Farizov) Kazakhskogo meditsinskogo instituta.
(ACUPUNCTURE) (NERVOUS SYSTEM—DISEASES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z. N.: Master Biol Sci (diss) -- "Investigation of the biochemical, physiological, and morphological changes in plants under the influence of grafting". Moscow, 1959. 22 pp (Acad Sci USSR, Inst of Genetics), 185 copies (KL, No 18, 1959, 123)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z.N.

Grafting certain decorative flowering plants. Izv.Sib.otd.AN SSSR no.5:101-111 '59. (MIRA 12:10)

1. Biologicheskiy institut Sibirskogo otdeleniya Akademii nauk SSSR.
(Flowers) (Grafting)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z.N.

Changes in the nitrogen metabolism of plants due to grafting.
Izv. Sib. otd. AN SSSR no.8:87-90 '59. (MIRA 13:2)

1.Biologicheskiy institut Sibirskogo otdeleniya AN SSSR.
(Plants--Metabolism) (Grafting)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z.N., kand.biolog.nauk

Foliar feeding of crops and aerial of mineral fertilizers and herbicides. Zemledelie 8 no.11:67-71 N '60. (MIRA 13:10)

1. Sibirskoye otdeleniye Akademii nauk SSSR.
(Fertilizers and manures) (Herbicides)
(Aeronautics in agriculture)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYANTSEVA, Z.N.

Aftereffect of mineral salt solutions introduced into a leaf on the amino acid metabolism of plants. Trudy TSSBS no.7:95-104 '64. (MIRA 17:11)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

S/564/57/000/000/023/029
D258/D307

AUTHORS: Butuzov, V. P., and Bryatov, L. V.

TITLE: On the problem of growing quartz crystals

SOURCE: Rost kristallov; doklady na Pervom soveshchanii po rostu kristallov, 1956 g. Moscow, Izd-vo AN SSSR, 1957, 305-310

TEXT: The authors studied the solubility of quartz in aq. Na_2CO_3 (5%) at up to 1600 atm, at 250, 300, 350 and 400°C. The method consisted of suspending a quartz block in the solution contained in an autoclave, and keeping the system under preset conditions for 5 days. Loss in weight of the block per ml of solvent - % filling of the autoclave curves showed that (a) loss in weight increases smoothly with temperature; (b) for 350 and 400°C, loss in weight decreases to a minimum at ~73% filling and increases sharply for lower degrees of filling. This discontinuity is ascribed to the formation of a new "heavy" phase

Card 1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

On the problem of...

S/564/57/000/000/023/029
D258/D307

(e.g., 55 - 60% SiO_2, 10 - 20% Na_2O, 35 - 20% H_2O). At 250 and 350°C the solubility of quartz increases slowly and linearly with increasing pressure; at 350 and 400°C, the solubility was lower than at 250 and 300°C until higher pressures were reached (~300 and 800 atm respectively) and increased rapidly thereafter with pressure up to 400 and 1100 atm. From these pressures on, the solubility increased slowly and linearly with increasing pressure. This complex course of the solubility-pressure curves is also ascribed to the presence of the "heavy" phase. The production of quartz crystals is discussed in view of the above results. It is hence believed that the suitable conditions for growing quartz crystals are 350 - 400°C at ~1000 atm, and preferably 400 - 420°C at 1000 - 1200 atm. Various combinations of temperature and pressure ranges are discussed. There are 3 figures.

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYATOV, L. V.

AUTHORS: Butuzov, V.P. and Bryatov, L.V. 70-5-17/31

TITLE: A Study of the Phase Equilibria in Part of the System H_2O - SiO_2 - Na_2CO_3 at High Temperatures and Pressures (Issledovaniye fazovykh ravnovesiy chasti sistemy H_2O - SiO_2 - Na_2CO_3 pri vysokikh temperaturakh i davleniyakh)

PERIODICAL: Kristallografiya, 1957, Vol.2, No.5, pp. 670 - 675 (USSR)

ABSTRACT: The quantitative composition of the solid and liquid phases occurring in equilibrium in the water-rich end of the system H_2O-SiO_2-Na_2CO_3 has been measured at high temperatures (300-400 °C) and pressures (1 500 atm.). The increase in the concentration of the Na_2CO_3 in the solution (up to 10%) leads to a great increase in the solubility of quartz. The temperature coefficient of the quartz solubility does not change with the carbonate concentration. The temperature and pressure dependence of the solubility of the quartz were measured. The pressure scarcely alters the solubility of quartz if there is no heavier liquid phase but under certain conditions pressure may greatly affect the equilibrium. If there is no heavier liquid phase the solubility of quartz increases with temperature but its presence leads to a sharp decrease in the temperature .

Card1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

70-5-17/31

A Study of the Phase Equilibria in Part of the System H_2O - SiO_2 - Na_2CO_3 at High Temperatures and Pressures.

coefficient of solubility which may even become negative. Boundaries of the phase diagram were established. Stainless steel bombs were partially filled with Na_2CO_3 solution and with weighed quartz crystals fixed to the plugs they were placed in a furnace for sufficient time for equilibrium to be reached. It is known that two liquid layers with different concentrations of quartz can be formed so the bombs were inverted, quenched in the inverted position and then righted for opening. In this way, the time of the contact in which the heavier phase could react with the solution was sharply reduced. Of the two liquid phases the solution will contain up to 3% SiO_2 and the heavier phase may contain 50% SiO_2 .

There are 9 diagrams, 1 table, 13 references, 4 of which are Slavic.

ASSOCIATION: Institute of Crystallography Ac.Sc. USSR. (Institut Kristallografii AN SSSR)
SUBMITTED: May 5, 1957.
AVAILABLE: Library of Congress
Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

S/564/61/003/000/019/029
D228/D304

AUTHORS: Bryatov, L. V. (Deceased), and Kuz'mina, I. P.

TITLE: Crystallization of the sulfides of lead and zinc from aqueous solutions of chloride salts

SOURCE: Akademiya nauk SSSR. Institut kristallografii. Rost kristallov, v. 3, 1961, 416-420

TEXT: The aim of the authors was to study the growth conditions of galenite and sphalerite crystals--occurring in hydrothermal ore-deposits and widely used in industry--in a hydrothermal environment. One series of experiments was performed over a period of 6 - 20 days in stainless steel autoclaves with non-corrosive Ti-insets containing PbS, ZnS and a $Na_2S_x - Na_2S_2O_3$ solvent at a pressure of 500 - 1000 atm. A finely-crystalline aggregate with dimensions of up to 0.3 mm for individual crystals was obtained by recrystallizing PbS and ZnS at 350 - 450°, although not all of the ZnS was recrystallized; the solubility of the sulfides under these conditions appears to be very low. Better results

Card 1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

Crystallization of the...

were obtained, however, in other, generally similar tests with aqueous solutions of NaCl and LiCl--which have been found by N. Yu. Ikornikova et al (Ref. 9: Dokl. AN SSSR, 111, 105, 1956) to dissolve many sparingly-soluble minerals--as solvents of the PbS and ZnS: lustrous galenite crystals grew to a size of up to 1 mm, and the yellowish sphalerite had dimensions of up to 0.5 mm. During the joint crystallization of PbS and ZnS, even larger crystals with dimensions of up to 2 and 4 mm respectively were formed, but the reason for this phenomenon is not clear. The authors note the relationship between the crystal size and temperature of crystallization; at 450° the dimensions of a crystal are 2 - 3 times greater than at 350°. There are 4 figures and 9 references: 6 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: E. T. Allen et al, Amer. J. Sci.4,34, 341 (1912); F. G. Smith, Econ. Geol. 35, 646 (1940); J. J. Hemley, Ibid.48, 113-138 (1953).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

S/081/62/000/008/003/057
B166/B101

AUTHORS: Bryatov, L. V., Kuz'mina, I. P.

TITLE: Crystallization of lead and zinc sulfides from aqueous solutions of chloride salts

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1962, 33, abstract 8B213 (Sb. "Rost kristallov. V. 3", M., AN SSSR, 1961, 416-420)

TEXT: It is shown that lead and zinc sulfides are intensively dissolved by aqueous solutions of chloride salts (NaCl, LiCl) at temperatures of > 350°C and pressures of 500-1000 atm. When a temperature drop is created dissolution and transfer of PbS and ZnS take place and crystals of galenite and sphalerite are formed. Under these conditions crystals of these sulfides measuring up to 1-2 mm were obtained. Experimental investigations showed that the recrystallization of PbS and ZnS proceeds considerably better when these sulfides are located together in chloride salt solutions. This may account for the normal natural paragenesis of these two minerals. [Abstracter's note: Complete translation.]

Card 1/1

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

USSR/Diseases of Farm Animals. Noninfectious Diseases. R-2

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92718

Author : Bryatukha, S. I.
Inst : Kiev Veterinary Institute.
Title : Clinical Aspects and Treatment of the Concha Nasalis in Horses.

Orig Pub : Tr. Kiyevsk. vet. in-t, 1957, 13, 217-219

Abstract : Surgical removal of the affected conchae nasalis was performed in 2 cases of tumoral pyo-necrotic lesions of the concha nasalis inferior in horses which impeded their breathing. The access for the operation, after the trachootomy, was accomplished through the roof of the nose in the lateral area, the

Card : 1/2

24

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92718

lower boundary of which was the line connecting the inner corner of the eye, the upper edge of the suborbital aperture and the naso-maxillary incisure. The wound was tightly stitched and during the post-operative period the nasal cavity was washed through the trepanned opening in the frontal sinus which remained open until the complete recovery of the horses. The author points out that the operation is not complicated and guarantees success.
-- A. D. Musin

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ALEKSANDROVSKIY, V.A.; NIKITIN, I.; ZHITKOV, A.M.; USHMAYEV, N.; BRYAUSHNOV, P.N.; PORTNIK, Kh.; TARLAVSKAYA, S.A.; ALIYEV, A.A.; KENIYA, T.

Information and brief news. Veterinariia 40 no.6:87-93 Je '63. (MIRA 17:1)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

ZAYTSEV N. N.
P. 2

PHASE I BOOK EXPLOITATION SOV/4084

Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut

Problemy Arktiki i Antarktiki; sbornik statey, vyp. 1 (Problems of the Arctic and Antarctic; Collection of Articles, No. 1) Leningrad, Izd-vo "Morskoy transport," 1959. 123 p. Errata slip inserted. 500 copies printed. XEROX COPY

Additional Sponsoring Agency: USSR. Ministerstvo morskogo flota. Glavnoye upravleniye severnogo morskogo puti.

Resp. Ed.: V.V. Frolov; Editorial Board: L.L. Balakshin, A.A. Girs, P.A. Gordiyenko (Deputy Resp. Ed.), I.M. Dolgin, L.G. Kaplinskaya, A.A. Kirillov, Ye.S. Korotkevich, V.V. Lavrov, I.V. Maksimov, A.I. Ol', I.I. Poznyak, and B.V. Felisov; Tech. Ed.: L.P. Drozhzhina.

PURPOSE: The publication is intended for geographers, oceanographers, and readers interested in the study of the Arctic and Antarctic regions.

Card 1/5

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

COVERAGE: This collection of 17 articles published by the Arctic and Antarctic Scientific Research Institute deals with the following: ice conditions in the Arctic Seas, atmospheric circulation and turbulence, the problem of albedo on drifting ice, the intensity of cosmic rays, and the use of aerial photography in ice reconnaissance. Tables of instrumental corrections for reading deep-sea reversing thermometers are included. References follow the articles.

TABLE OF CONTENTS:

Morozova, T.P. Fluctuation of the Southern Limit of Old Ice in the Laptev Sea 5

Kudryavtsev, N.F. Effect of Current on the Immersion Depth of the Recorders of Self-Contained Stations 11

Ryzhakov, L. Yu. The Role of Turbulence in the Transfer of the Atmospheric Eddy 25

Bryazgin, N.N. The Problem of Albedo of the Surface of Drifting Ice 33

Konstantinov, I.O. Diurnal Variations of the Intensity of Cosmic Rays in Tikhaya Bay 41

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

Yanes, A.V. Estimation of Heat Currents in an Ice Cover 49

Yakovlev, G.N. Heat Current of the Evaporation From the Surface of Ice Cover in the Central Arctic 59

Nazintsev, Yu. L. Experimental Determination of Thermal Capacity and Thermal Conductivity of Sea Ice 65

Doronin, Yu.P. The Problem of Accretion of Sea Ice 73

Loshchilov, V.S. Use of Aerial Photography in Ice Reconnaissance for the Determination of the Mean Thickness of Ice Cover 81

Sychev, K.A. Heat Equilibrium of the Active Layer of Permafrost in Summer 87

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

Korotkevich, Y. S. Birds of Eastern Antarctica 91

NOTES

Shamont'yev, V.A. Tables of Instrumental Corrections for Readings of Deep-Sea Reversing Thermometers 109

Kudryavtsev, N.F. The Accuracy of Current Measurement by the Navigational Method 116

INFORMATION

Kuperov, L.P. Short-Range Radio Forecasting on the Dikson Island—Moscow Line During 1958 Navigation 119

Kozlov, M.P. Winter-Spring Expeditions of the Arctic and Antarctic Institute in 1959 119

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BIBLIOGRAPHIC REVIEW

Romanovich, Z.S. "Arctic Bibliography" of the Arctic Institute of North America 121

AVAILABLE: Library of Congress

Card 5/5

JA/rn/mas
9-6-60

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYAZGIN, N.N.

Study of glaze and rime in the Central Arctic. Probl. Arkt. i Antarkt. no.19:66-68 '65. (MIRA 18:5)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

3,5110
6.1130 (8903 only)

37383
S/169/62/000/004/029/103
D228/D302

AUTHOR: Bryazgin, N. N.

TITLE: Cloud shroud in the Arctic

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1962, 20, abstract 4B137 (V sb. Probl. Arktiki i Antarktiki, no. 9, L., Morsk. transport, 1961, 75-77)

TEXT: The sky states observed in the Arctic, especially in its central part, cannot be included in the standard cloud classification. Layer cloud forms -- in particular one variety, the shroud -- are most characteristic of the Arctic. This variety is a whitish transparent layer observable especially in the polar night. In the presence of a shroud two orange rings are visible around the moon at angles of 4 and 8°. When the moon is invisible some experience is necessary to detect the shroud. Hoarfrost is one indication of a shroud. In two days up to 15 mm of hoarfrost may form at a height of 2 m, with up to 30 mm at a height of 9 m. A pilot-balloon's lamp is visible through a shroud to an altitude of 4 km. Camp and

Card 1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

Cloud shroud in ...

S/169/62/000/004/029/103
D228/D302

air base lights are very dimly visible from an aircraft when there is a shroud -- as is the case with weak fog. The radiation of the underlying surface markedly decreases in the presence of a shroud. The yearly variation of radiation according to a pyrogeometer at the time of clear skies (cal/cm^{-2}/min^{-1}) is given for three polar stations. A shroud results not only from the raising of steam between the ice, but also from temperature inversions. Precipitation in the form of snow grains, and at times as ice and snow crystals, often falls from a shroud. In the presence of a shroud the temperature comprises from -30 to -48°C, the relative humidity is ~85%, and the wind may have variable directions. A shroud should be recorded as 10/10 St fum (St fumulus). For aviation requirements a shroud should be indicated as "10/10 layer transparent shroud". The presence of a shroud impedes night aircraft landings. [Abstracter's note: Complete translation.]

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYAZGIN, N.N.

Evaporation of precipitation from a precipitation gauge in the Arctic. Probl. Arkt. i Antarkt. no.17:81-84 '64.
(MIRA 18:4)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 23959-66 EWT(1)/FCC GW

ACC NR: AT6009621 SOURCE CODE: UR/2561/65/000/019/0066/0068

25
B+1

AUTHOR: Bryazgin, N. N.

ORG: none

TITLE: Investigation of hoarfrost and glazed frost in the Central Arctic

SOURCE: Leningrad. Arkticheskiy i antarkticheskiy nauchno-issledovatel'skiy institut. Problemy Arktiki i Antarktiki, no. 19, 1965, 66-68

TOPIC TAGS: hoarfrost, glazed frost, ice, climatology, wind, topography

ABSTRACT: Frost studies made at 2 to 9 m levels in 1958 by the "Severnyy Polyus-6" drifting station are described. Beginning in August, a considerable amount of hoarfrost and glazed frost forms, following a transition of mean daily air temperature through 0°. Most of the ice forms in September; in winter only hoarfrost forms. Air temperature has a direct effect on the formation of hoarfrost and glazed frost. Glazed frost forms at -0.1° to -8° temperatures. The most favorable temperature for formation of glazed frost is between 0° to -3°. Ice deposition on an antenna 5 mm in diameter and 50 m in length was estimated at 24 kg. Ice accumulation was found to vary considerably: 7 mm per 1.5 hr in the case of glazed ice and 10-12 mm per 1.5 hr for hoarfrost have been recorded. It is concluded that topography and winds play a major part

2

Card 1/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

L 23959-66

ACC NR: AT6009621

in the formation of glazed frost and hoarfrost in the Central Arctic region. Orig. art. has: 1 table.

SUB CODE: 08/ SUBM DATE: 12Jun61/ ORIG REF: 000/ OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYAZKUN, G.F.

"The Decisive Role Of The External Environment And The Functional Surroundings Of Organisms In The Ontogenesis Of White Blood Corpuscules In The Horse" (p.198) by V.N. Nikitin, E.A. Batozskaya, P.S. Lyachchenko, M.I. Novikov, I.L. Poltavski, G.F. Bryazkun, and P.G. Prikhod'ko.

SO: Journal of General Biology (Zhurnal Obshcnei Biologii) Vol. XI, 1950, No. 3

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYC, Stanislaw; BRYC, Rozalia

Use of the x-ray wide-angle technic in the diagnostic examination of thoracic organs and its use in medico-legal practice. Pol. tyg. lek. 20 no.30:1112-1114 26 Jl '65.

1. Z Zakladu Radiologii AM w Lublinie (Kierownik: doc. dr. K. Skorzynski) i z Zakladu Medycyny Sadowej AM w Lublinie (Kierownik: doc. dr. A. Jaklinski).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

WRONSKI, Jerzy; BRYC, Stanislaw

Discrepancies in the roentgenological picture and clinical conditions in 2 cases of intracranial arterio-venous aneurysms. Neurologia etc. polska 11 no.1:95-100 Ja-F '61.

1. Z Oddzialu Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik Kliniki: prof. dr med. W. Stein Kierownik Oddzialu: doc. dr med. H. Kozniewska Z Zakladu Radiologii AM w Lublinie Kierownik Zakladu: prof. dr med. K. Skorzynski.

(BRAIN blood supply) (FISTULA ARTERIOVENOUS case reports)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

SZYMANEK, Dominik; WRONSKI, Jerzy; BRYC, Stanislaw

Diabetes insipidus with hypothalamo-pituitary-adrenal insufficiency resulting from a pineal tumor. Endokr. pol. 12 no.5:543-549 '61.

1. II Klinika Chorob Wewnetrznych AM w Lublinie Kierownik: prof. dr A.R.Tuszkiewicz Oddzial Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik: prof. dr W.Stein Kierownik Oddzialu: doc. dr H.Kozniewska Zaklad Radiologii AM w Lublinie Kierownik: prof. dr K.Skorzynski.

(PINEALOMA compl) (DIABETES INSIPIDUS etiol)
(HYPOTHALAMUS dis) (PITUITARY GLAND dis)
(ADRENAL CORTEX dis)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

BRYC, Stanislaw; CZOCHRA, Marian; WRONSKI, Jerzy

Value of angiography in the diagnosis of subdural hematomas.
Neurol. etc., polska 11 no.4:365-373 '61.

1. Z Zakladu Radiologii AM w Lublinie Kierownik Zakladu: prof. dr K. Skorzynski Z Oddzialu Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik Kliniki: prof. dr W.Stein Kierownik Oddzialu: doc. dr H. Kozniewska.
(CEREBRAL HEMORRHAGE radiog) (CEREBRAL ANGIOGRAPHY)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

KLAMUT, M.; BRYC, S.; CZOCHRA, M.; MUSZYNSKI, A.

Angiography of the left vertebral artery with catheterization of the femoral artery. Pol. przegl. radiol. 26 no.4:311-316 '62.

1. Z Zakladu Radiologii AM w Lublinie Kierownik Zakladu: prof. dr med. K. Skorzynski Z Oddzialu Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik Kliniki: prof. dr med. W. Stein Kierownik Oddzialu: doc. dr med. H. Kozniewska.
(VERTEBRAL ARTERY) (FEMORAL ARTERY) (ANGIOGRAPHY)
(BRAIN DISEASES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

WRONSKI, Jerzy; BRYC, Stanislaw

Use of angiography in the diagnosis and localization of supratentorial gliomas. Neurol. neurochir. psychiat. pol. 12 no.4:523-529 '62.

1. Z Oddzialu Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie i Zakladu Radiologii AM w Lublinie. Kierownik Kliniki: prof. dr W. Stein, Kierownik: Oddzialu: doc. dr H. Kozniewska. Kierownik Zakladu: prof. dr K. Skorzynski.

(BRAIN NEOPLASMS) (GLIOMA) (CEREBRAL ANGIOGRAPHY)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3

KLAMUT, Marian; CZOCHRA, Marian; BRYC, Stanislaw; ZDERKIEWICZ, Edward

A technic for right vertebral arteriography with the aid of carotid catherization. Neurol. neurochir. psychiat. pol. 12 no.5:699-702 '62.

1. Z Zakladu Radiologii AM w Lublinie Kierownik Zakladu: prof. dr med. K. Skoryzynski Z Oddzialu Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik Kliniki: prof. dr med. W. Stein Kierownik Oddzialu: doc. dr med. H. Kozniewska.

(CEREBRAL ANGIOGRAPHY) (VERTEBRAL ARTERY)
(CAROTID ARTERIES)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307120014-3"